## SIXTH NATIONAL REPORT

## TABLE OF CONTENTS

SECTION	Α	INTRODUCTION	
A.1 A.2 A.3	Gene	mary of the Main Topics of the Report eral Concepts onal Program for SF and RW Management	
SECTION	В	POLICIES AND PRACTICES	
B.1 B.2 B.3 B.4 B.4.1 B.4.2 B.4.3	Spen Radio Radio Crite Origi	nt Fuel Management Policy It Fuel Management Practice It Fuel Management Practice It Fuel Management Policy It Fuel Waste Management Practice - Criteria It Applied to Define and Classify Radioactive Wa It of Radioactive Waste Itices Applied for RW Management	ste by Categories
SECTION	С	SCOPE OF APPLICATION	No.
SECTION	D	LISTS AND INVENTORIES	
D.1 D.2 D.2.1 D.2.2 D.2.3 D.2.4 D.3 D.3.1 D.4 D.4.1 D.4.2 D.4.3 D.4.4 D.4.5 D.4.6	Spen Atuc Emba Ezeiz Irrad Radio CNA CNA CNA CNE Pilca Uran	at Fuel Management Facilities at Fuel Inventory ha Nuclear Complex alse NPP - CNE a RW AND SF Management – AGE iated Fuels Storage Facilityin Research Reactors oactive Waste Management Facilities of Facilities with Wastes from Mining and Process oactive Waste Inventory Unit I Unit II niyeu Technological Complex ium Dioxide Production Plant a Radioactive Waste Management Area (AGE)	ing of Uranium Minerals
SECTION E LEGISLATIVE AND REGULATORY SYSTEM			
E.1 E.2 E.2.1 E.2.1.1 E.2.1.2 E.2.2 E.2.2.1 E.2.2.2	Legis Lega Back Curro Regu Natio	ementation of Measures slative and Regulatory Framework Il Framework Iground Internation Illatory Framework Internation Intern	l Safety
E.2.2.3	Proh	ibition to Operate without a License	

E.2.2.4.1 Documentation and Reports

## SIXTH NATIONAL REPORT

E.2.2.4.2	Regulatory Inspections and Audits	
E.2.2.5	Specific Regulatory Actions	
E.2.2.6	Sanction System	
E.2.2.7	Clear Assignment of Responsibilities	
E.3	Regulatory Body	
E.3.1	Duties and Competence of the Regulatory Body	
E.3.2	ARN Organizational Structure and Human Resources	
E.3.3	Resources Assigned to the Regulatory Control of Facility	ies under Surveillance
E.3.3.1	Qualification of the ARN Staff	
E.3.3.2	Maintenance of the Regulatory Body's Competence	
E.3.3.3	Training Activities	
E.3.3.4	Quality Management System	
E.3.3.5	Financial Resources	
E.3.4	Relationship with Other Organizations	
E.3.5	Annual Reports	
2.0.0	Aumaan Reperio	
SECTION	F OTHER GENERAL SAFETY PROVISIONS	
-		
F.1	Responsibility of the License Holder	
F.1.1	Background	
F.1.2	Responsible Institution and Primary Responsible	
F.1.3	Regulatory Control of Fulfilment of License Holder's Re	sponsibilities
F.2	Human and Financial Resources	
F.3	Quality Management	
F.3.1	Introduction	
F.3.2	Nucleoeléctrica Argentina Sociedad Anónima (NASA)	
F.3.3	Argentine Atomic Energy Commission (CNEA)	
F.4	Operational Radiological Protection	
F.4.1	Conditions for Radioactive Material Release	
F.4.1.1	Discharges	
F.4.1.2	Disposal of Solid Materials	
F.4.1.3	Exemption of Practices	
F.4.2	Occupational Exposure	•
F.4.3	Radiological and Nuclear Safety at CNEA	
F.5	Emergency Preparedness	
F.5.1	Introduction	•
F.5.2	Structure of the Emergency Plan in the National Scope	
F.5.3	International Agreements	
F.5.4	Nuclear Power Plants Emergency Plans	
F.5.5	Atomic Centres Emergency Plans	
F.6	Decommissioning	
F.6.1	Introduction	
F.6.2	Regulatory Aspects	
F.6.3	Background	
F.6.4	Planning for Decommissioning of Significant Nuclear Fa	acilities
F.6.5	Financing	:
1 .0.5	i manomy	
SECCION	G SAFETY IN SPENT FUEL MANAGEMENT	

**General Safety Requirements** 

**Existing Facilities** 

**G.1** 

**G.2** 

	SIXTH NATIONAL REPORT
G.2.1	CNA I Spent Fuel Storage Pools
G.2.2	CNA II Spent Fuel Storage Pools
G.2.3	CNE Spent Fuel Storage Pools
G.2.4	Storage Silos for Spent Fuel (ASECQ) of the CNE
G.2.5	Centralized Storage of Spent Fuel from Research Reactors
G.2.6	Storage Facility for Irradiated Fuel from Research Reactors (FACIRI)
G.3	Siting of Projected Facilities
G.4	Design and Construction of New Facilities
G.4.1	Atucha Nuclear Power Plant - Unit I
G.4.2	CAREM-25 Nuclear Power Plant
G.4.3	RA-10 Reactor
G.5	Safety Assessment of Facilities
G.6	Operation of the Facilities
G.7	Final Disposal of Spent Fuel
SECTION	H SAFETY IN RADIOACTIVE WASTE MANAGEMENT
H.1	General Safety Requirements
H.1.1	Criticality and Removal of Residual Heat Generated during Radioactive Waste Management
H.1.2	Minimization of Radioactive Waste Generation
H.1.3	Interdependence between different Radioactive Waste Management Stages

H.7./	Avoid imposing Undue Burdens on Future Generation
H.2	Existing Facilities and Previous Practices

	Exioting radiities	ana i iovi
H 2.1	Introduction	

H.2.2	Facilities of Atucha Nuclea	r Power Plant - Unit

H.2.3	Facilities of Atucha	a Nuclear Power	Plant - Unit II

H.2.4 Facilities of Embalse Nuclear Power Plant

H.2.5 Ezeiza Radioactive Waste Management Area (AGE)

H.2.6 Facilities at the Ezeiza Atomic Center

H.2.7 Pilcaniyeu Technological Complex (CTP)

H.2.8 Uranium Dioxide Production Plant

H.3 Site for Projected Facilities

H.4 Design and Construction of New Facilities

H.4.1 Atucha Nuclear Power Plant - Unit I

H.4.2 Embalse Nuclear Power Plant

H.4.3 Ezeiza Radioactive Waste Management Area - AGE

H.4.3.1 Treatment and Conditioning Plant of Radioactive Waste (PTARR)

H.4.3.2 Cementing and Compacting Pilot Plant

H.4.3.3 Characterization Lab (LABCAR)
H.4.4 Research and Development Lab at

H.4.4 Research and Development Lab at CAC H.4.5 CAREM-25 NPP

H.4.5 CAREM-25 NPF H.4.6 RA-10 Reactor

H.5 Mining Waste and Processing of Uranium Minerals

H.5.1 Uranium Mining Environmental Restoration Project (PRAMU)

H.5.2 San Rafael Mining and Milling Complex (CMFSR)

## SIXTH NATIONAL REPORT

H.6	Safety Evaluation of the Facilities	
H.7	Operation of the Facilities	and the second of the Conference of the Conferen
H.8	Institutional Measures after Closure	er en
SECTION	I TRANSBOUNDARY MOVEMENTS	the control with the state of t
SECTION	J DISUSED SEALED SOURCES	
J.1	Introduction	
	Basic Requirements for Radiological Safety	
J.2	Actions Aimed at Carrying out an Adequat	e Control of Radioactive Disused
J.3	Sources	o donicor or reading a series
J.4	Special Actions Aimed at Maintaining an App	ropriate Control of the Radioactive
J. <del>4</del>	Sources	,
J.5	Security of Sealed Sources in Use or in Disuse	<b>2</b>
J.6	Penalty System Abnormal Events and Emergencies	
J.7 ·		oe Country
J.8	Readmission of Decayed Sealed Sources to the	le Country
SECTION	K GENERAL EFFORTS TO IMPROVE SAFE	ΞΤΥ
K.1	Introduction	
K.2	Regular Activities	
K.3	Management Safety Improvements	
K3.1	Actions Taken in the Light of the Fukushima	Dailchi Accident
K.3.1.1	Loss of Safety Operations Functions Analysis	
K.3.1.1		
K.3.1.1.2		
K.3.1.1.2 K.3.1.1.3	• •	
	Accident Management and Severe Accidents	Management Program
K.3.1.2		
K.3.2	R&D Activity Program	
K.3.3	Public Communication Program	
K.4	Commitments of Previous Revision Meetings	
K.5	IAEA Review Missions	
K.6	Synoptic Summary	
SECTION	N L ANNEXES	
L.1	National Laws	
L.1.1	Law No. 24804/97 National Law of Nuclear Ac	tivity
L.1.2	Law No. 25018/98 National Law on Radioactive	e Waste Management Regime
L.1.3	Legal Framework for the Nuclear Indu	stry in the Argentine Republic:
	Organisational Structure (1950-2017)	
L.1.4	Main International Treaties on Nuclear En	ergy subscribed by the Argentine
Bone B 4 T	Republic (1966-2017)	
L.2	PNGRR R&D Plan	
L.2.1	R&D Activities	
L.2.1 L.2.2	Joint Activities with the International Atomic	Energy Agency
L	COURT MOUNTAIN AND MILE MILE MILES MANAGEMENT MOUNTAIN	